

# **Mu2e Accelerator Team L3 Notes**

## **12 Jan 2010**

### Mu2e Accelerator L3 Team

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- W. Pellico
- I. Kourbanis
- S. Werkema
- A. Leveling
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- E. Prebys
- R. Coleman

### CC:

- R. Ray

### Draft Work Breakdown Structure

#### 1.2 Mu2e Accelerator

- 1.2.1 Proton Source
- 1.2.2 Recycler
- 1.2.3 Accumulator Ring
- 1.2.4 Debuncher Ring
- 1.2.5 Radiation Safety Improvements
- 1.2.6 Resonant Extraction System
- 1.2.7 External Beam Line
- 1.2.8 Extinction
- 1.2.9 Target Station
- 1.2.10 Accelerator Controls Software
- 1.2.11 Management and Documentation

**Goal:**

Produce plans for, and perform oversight of the development of Conceptual Design Report sections required for CD-1 of Mu2e Project in approximately 12 months.

This Team will evolve over the upcoming months/years as required. Actual "L3 Manager" positions do not need to be identified for DOE until just before CD-1. But, many leaders of specific efforts are emerging already.

Will meet ~bi-weekly at Tuesday morning 10am time slot.

(2nd and 4th Tuesdays of month)

Go over status, progress of efforts, set priorities, etc.

Sub-meetings should go on independently on above WBS subjects, with progress reported at the L3 meeting.

Ex:   Extraction Group, Leo...  
      Extinction Group, Eric...  
      etc.

We will have our "usual" overview Accelerator Working Group meetings on first Tuesday of every month.

Mu2e Accelerator monthly meeting schedule:

<b><u>Wk</u></b>	<b><u>Meeting</u></b>
1	Overview mtg
2	L3's
3	various, as called
4	L3's
[5	various, as called]
... repeat ...	

**WBS Item****1 Mu2e Project****1.1 Mu2e Management****1.2 Mu2e Accelerator****1.2.1 Proton Source****1.2.1.1 15 Hz RF upgrade****1.2.2 Recycler****1.2.2.1 Recycler R&D****1.2.2.2 Injection System****1.2.2.3 RF Systems****1.2.2.4 Instrumentation****1.2.2.5 Cooling Removal****1.2.2.6 Extraction System****1.2.3 Accumulator Ring****1.2.3.1 Accumulator R&D****1.2.3.2 Injection System****1.2.3.3 RF Systems****1.2.3.4 Instrumentation****1.2.3.5 Cooling Removal****1.2.3.6 Extraction system****1.2.4 Debuncher Ring****1.2.4.1 Debuncher R&D****1.2.4.2 Injection System****1.2.4.3 RF Systems****1.2.4.4 Instrumentation****1.2.4.5 Cooling Removal****1.2.5 Radiation Safety Improvements****1.2.5.1 Rad Safety R&D****1.2.5.2 REC-ACC Beam Line Upgrade****1.2.5.3 ACC/DEB Tunnel/Buildings Upgrade****1.2.5.4 External Beam Line****1.2.6 Resonant Extraction System****1.2.6.1 Resonant Extraction R&D****1.2.6.2 Resonant Extraction Hardware****1.2.7 External Beam Line****1.2.7.1 Beam Line R&D****1.2.7.2 Beam Transport****1.2.7.3 Beam Line Dump**

**WBS Item**

- 1.2.7.4 Safety System
- 1.2.8 Extinction
  - 1.2.8.1 Extinction R&D
  - 1.2.8.2 Internal Extinction System
  - 1.2.8.3 External Extinction System
- 1.2.9 Target Station
  - 1.2.9.1 Targeting R&D
  - 1.2.9.2 Target
  - 1.2.9.3 Target Handling
  - 1.2.9.4 Absorber
  - 1.2.9.5 Shielding
  - 1.2.9.6 Cooling
  - 1.2.9.7 Instrumentation
- 1.2.10 Accelerator Controls Software
  - 1.2.10.1 Application Codes
- 1.2.11 Management and Documentation
  - 1.2.11.1 Supporting Documents
  - 1.2.11.2 Travel
  - 1.2.11.3 Contingency
  - 1.2.11.4 Miscellaneous